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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: David Lukton Examiner #: 71263 Date: 2/4/03
Art Unit: 1653 Phone Number 308-3213 Serial Number: 09-912164
Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL
Mail Box: 9B01 Exr Rm: 9B05
If more than one search is submitted, please prioritize searches in order of need.

****

Title: S-Nitrosothiols as Agents for the Treatment of Circulatory Dysfunctions

Applicants: MOLINER, JOSE REPOLLES; PEREZ-RASILLA, EDUARDO SALAS; COY, FRANCISCO PUBILL; RIUDAVETS, JUAN-ANTONIO CERDA; ROFES, CRISTINA NEGRIE; LLORENTE, LYDIA CABEZA; SISO, ALICIA FERRER; ADROHER, NURIA TRIAS; BANUS, MARCEL.LI CARBO; MORENO, JESUS MURAT; LLAGUNO, PEDRO MICHELENA

Earliest Priority Date: 1/27/99

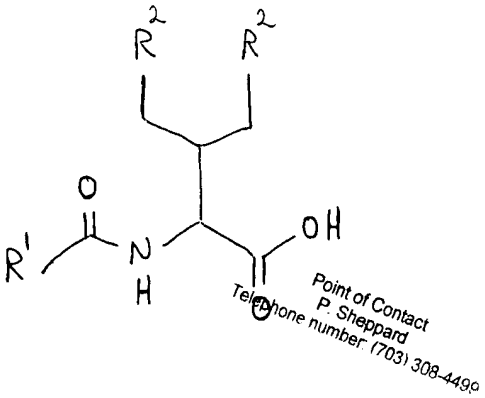
* * * *

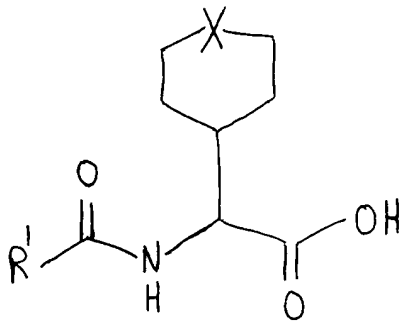
Applicants are claiming each of the two genera of compounds below.

R^1 = C_{1-4} alkyl;

R^2 = phenyl;

X = -O- or -S- or $-NCH_3-$





Point of Contact
P. Sheppard
Telephone number: (703) 308-4490

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Date Completed: 2/4/03
Searcher Prep & Review Time: _____
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Online Time: _____

Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
Bibliographic _____
Litigation _____
Fulltext _____
Patent Family _____
Other _____

Vendors and cost where applicable

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Dr.Link _____
Lexis/Nexis _____
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WWW/Internet _____
Other (specify) _____

PTO-1590 (8-01)

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FILE COVERS 1907 - 4 Feb 2003  VOL 138 ISS 6
FILE LAST UPDATED: 3 Feb 2003  (20030203/ED)
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This file contains CAS Registry Numbers for easy and accurate substance identification.

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L1                STR
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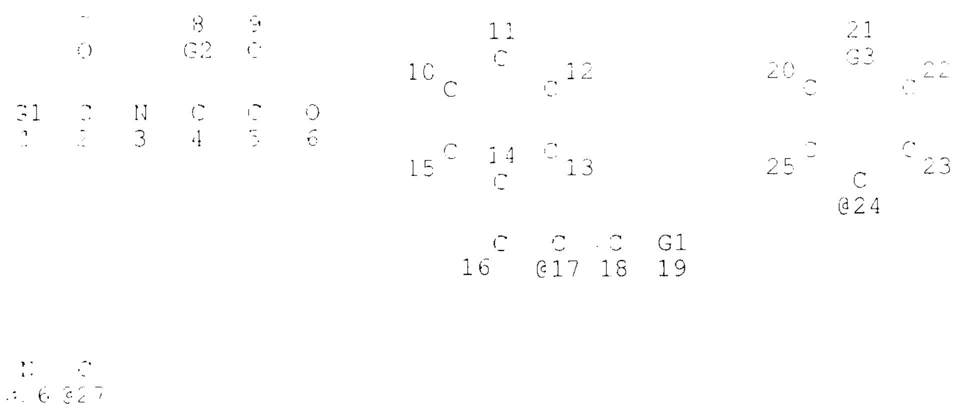


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VAR G2=17-24
VAR G3=O/S/26-20 27-22
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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  27

STEREO ATTRIBUTES: NONE
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L4             6 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L3

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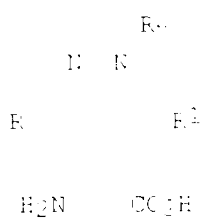
L4 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:204444 HCAPLUS
DOCUMENT NUMBER: 134:367161
TITLE: Synthesis and spectroscopy of novel .alpha.-pyrazolylglycine derivatives
AUTHOR(S): Zia-Ul-Haq, Muhammad; Arshad, Muhammad; Saeed-Ur-Rehman
CORPORATE SOURCE: Chemistry Department, Quaid-I-Azam University, Islamabad, Pak.
SOURCE: Journal of the Chinese Chemical Society (Taipei, Taiwan) (2001), 48(1), 41-48
CODEN: JCCTAC; ISSN: 0009-4536
PUBLISHER: Chinese Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 134:367161
GI



I

AB The synthesis of four .alpha.-pyrazolylglycine derivs. [I; R = Me; R1 = Me, Ph; R2 = H, Ph] with different substituents, starting from glycine have been prepd. The spectroscopy of intermediate compds. and the final amino acids have been discussed.
IT **340008-68-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of .alpha.-pyrazolylglycine derivs. via cyclocondensation reaction of glycine 1',3'-diketo derivs. with hydrazines)
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:535107 HCAPLUS
DOCUMENT NUMBER: 133:150471
TITLE: Aromatic and heterocyclic S-nitrosothiols useful as agents for the treatment of circulatory dysfunctions
INVENTOR(S): Repolles Moliner, Jose; Salas Perez-Rasilla, Eduardo; Pubill Coy, Francisco; Cerda Riudavets, Juan Antonio; Negrie Boles, Cristina; Tarena Llorente, Lydia; Ferrer Siso, Alicia; Trias Adroher, Nuria; Carbo Banus, Marcelli; Murat Moreno, Jesus; Michelena Llaguno, Pedro
PATENT ASSIGNEE(S): Lacer, S.A., Spain
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Spanish

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000044713	A1	20000803	WO 2000-ES19	20000119
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
ES 2147162	A1	20000816	ES 1999-159	19990127
ES 2147162	B1	20010316		
BR 2000007396	A	20011030	BR 2000-7396	20000119
EP 1157987	A1	20011128	EP 2000-900518	20000119
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
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DE 1[illegible]	T	[illegible]	DE [illegible]	20000119
TR 2[illegible]	T2	[illegible]	TR [illegible]	20000119
NO 2001[illegible]	A	20010[illegible]	NO [illegible]	20010[illegible]
US 2002[illegible]	A1	20020516	US 2001-912164	20010724

PRIORITY APPLN. INFO.: ES 1999-159 A 19990127
WO 2000-ES19 W 20000119

OTHER SOURCE(S): MARPAT 133:150471
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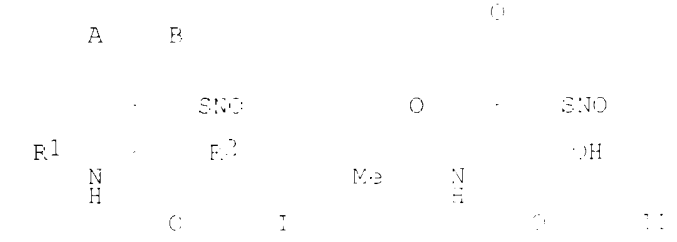

AB The invention relates to nove. S-nitrosothiols derived from penicillamine or glutathione, of general formula I [wherein A, B = Ph; or AB = CH2-Q-CH2 where Q = O, S, or N-R3; R3 = H or C1-C4 alkyl; R1 = C1-C5 aliph. acyl or glutamic acid bonded by .gamma.-carboxy group; R2 = OH or glycine radical bonded by peptidic linkage so that R2 = OH when R1 = aliph. acyl, and R2 = glycine when R1 = glutamic acid]. The compds. exhibit vasodilating and blood platelet aggregation-inhibiting activity, and are useful in the treatment of circulatory system dysfunctions, esp. cardiovascular dysfunctions. For instance, 2-amino-2-(4-mercaptotetrahydropyran-4-yl)acetic acid HCl salt was neutralized with NaOH and then N-acetylated with AcCl in MeCN, and the N-acetyl deriv. was S-nitrosylated with HCl and NaNO2 in aq. MeOH under sonication, to give invention compd. II. In an in vitro assay for vasodilation of norepinephrine-contracted arterial rings, II had an EC5 of 0.575 .mu.M, vs. 1.56 .mu.M for the known comparison compd. S-nitrosoglutathione, and 0.024-1.89 .mu.M for other invention compds. I.

IT **287402-90-8P**, N-Acetyl-2-amino-2-(4-mercaptotetrahydropyran-4-yl)acetic acid
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)
(intermediate; prepn. of arylalkyl-contg. S-nitrosothiols as cardiovascular agents)

IT **287402-83-9P**, N-Acetyl-2-amino-2-[4-(S-nitrosomercapto)tetrahydropyran-4-yl]acetic acid
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compd.; prepn. of arylalkyl-contg. S-nitrosothiols as cardiovascular agents

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:48[illegible] HCAPLUS
DOCUMENT NUMBER: 127:149409
TITLE: Preparation of .alpha.-arylglycine and N-glycyl-.alpha.-arylglycyl derivatives having affinity to neuropeptide Y (NPY) receptor
INVENTOR(S): Hondo, Tasuku; Itahana, Hirotsune; Tobe, Takahiko; Togami, Junji; Tsukamoto, Shinichi
PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09169753	A2	1997[illegible]	JP 1995-323172	19951212

PRIORITY APPLN. INFO.: JP 1995-323172 19951212
OTHER SOURCE(S): MARPAT 127:149409
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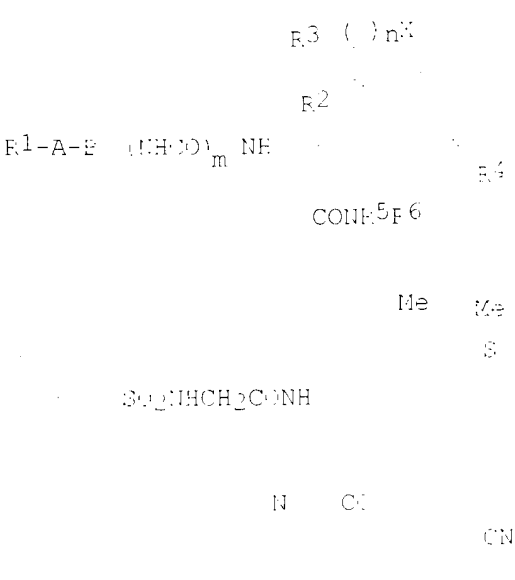

AB The title compds. [I; A = aryl, optionally benzene ring-condensed 5- or 6-membered N-contg. heterocyclyl, lower alkylene; B = SO2, CO, O2C, CHR7OO; wherein R7 = H, lower alkyl, aryl; X = optionally lower alkyl-substituted CH2 or NH, S, O; R1 = H, NH2, mono- or di-lower

alkyl)amino; R7, R8 = H, lower alkyl; R4 = H, cyan , NO2, CONH2, C(:O)NH2, NH2, mono- or di(lower alkyl amino, NHCO2 (t-Bu); Y = NH, S, O; with R8, R9 = H, lower alkyl, cycloalkyl; or NR8R9 = N-cont'g. 4-tert-butyl optionally cont'g. O; p = 0,1; R5, R6 = H, lower alkyl, arylalkyl or aralkyl or aryl; or NR5R6 = N-contg. heterocyclyl optionally cont'g. O and/or benzene ring-fused; n = 0, 1-4; m =0,1] are prepd. They are useful for the treatment of diseases related to physiol. function of NPY receptor such as obesity, overeating (hyperphagia), sitophobia (phagophobia), epilepsy, anxiety, senile dementia, depression, Parkinson's disease, brain degeneration accompanied by head trauma, various body symptoms caused by stress, hypertension, hypotension, heart failure, angina pectoris, myocardial infarction, coronary diseases, syndrome X, kidney diseases, asthma, diarrhea, and hormone abnormality, or as immunomodulators, etc. (no data). Thus, (2RS,4'RS)-1-[2-(6'-cyano-2',2'-dimethyl-3',4'-dihydro-2'H-benzothiopyran-4'-yl)-N-(diphenylmethylene)glycyl]piperidine was stirred with a mixt. of concd. HCl and MeOH at room temp. for 1 h followed by workup and condensation with N-(2-naphthylsulfonyl)glycine in the presence of (PhO)2P(O)N3 in DMF to give the title compd. (II).

IT **193403-79-1P**

RL: BUT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of .alpha.-arylglycine and N-glycyl-.alpha.-arylglycyl derivs. having affinity to neuropeptide Y (NPY) receptor

L4 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:677772 HCAPLUS

DOCUMENT NUMBER: 114:30287

TITLE: Asymmetric catalytic synthesis of .beta.-branched amino acids via highly enantioselective hydrogenation of .alpha.-enamides.

AUTHOR(S): Burk, Mark J.; Gross, Michael F.; Martinez, Jose P.

CORPORATE SOURCE: Department of Chemistry, Duke University, Durham, NC, 27706, USA

SOURCE: Journal of the American Chemical Society (1991), 117(36), 9375-6

CODEN: JACSAT; ISSN: 0002-7863

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 114:30287

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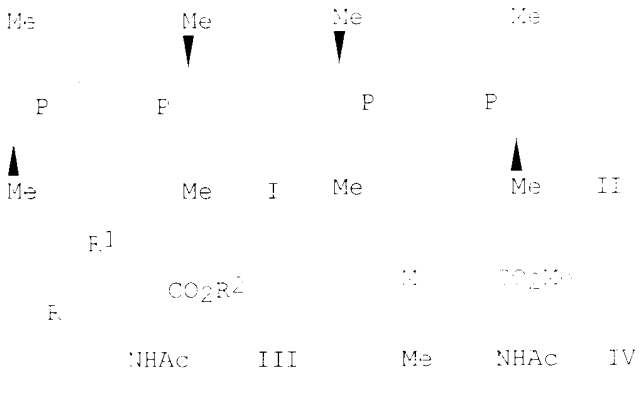

AB Me-DuPHOS-Rh [(S,S)-Me-DuPHOS = I] and Me-BPE-Rh [(R,R)-Me-BPE = II] hydrogenation catalysts were found to provide access to a wide variety of .beta.-branched amino acids with .gtoreq.9[illegible] enantiomeric excess.

.alpha.-Enamides [III; R, R1 = Me, Et, Pr, etc.; RR1 = (hetero)cyclic moiety; R2 = Me] were smoothly reduced to the corresponding amino acid derivs. at 90 psi H2. Hydrogenation of enamide III (R,R1 = -(CH2)4-; R2 = OTf) gave the corresponding (R)-amino acid in 96.2% enantiomeric excess at 100% conversion.

IT **171508-16-0 171508-17-1**
RL: RCT (Reactant); RACT (Reactant or reagent)
(asym. catalytic synthesis of .beta.-branched amino acids via highly enantioselective hydrogenation of .alpha.-enamides)

IT **171508-30-8P 171508-31-9P 171508-32-0P**
171508-33-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(asym. catalytic synthesis of .beta.-branched amino acids via highly enantioselective hydrogenation of .alpha.-enamides)

L4 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1990:199036 HCAPLUS
DOCUMENT NUMBER: 112:199036
TITLE: New synthesis of .alpha.-amino acids based on N-acylimino acetates
AUTHOR(S): Breitenmoser, Thomas; Mihm, Wolfgang; Steglich, Peter; Steglich, Wolfgang
CORPORATE SOURCE: Inst. Org. Chem. Biochem., Univ. Bonn, Bonn, D-5300/1, Fed. Rep. Ger.
SOURCE: Tetrahedron (1988), 44(17), 5403-14
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 112:199036
AB The reaction of N-acylamino- -bromo acetates, via N-acylimino acetates, with higher order mixed cuprates, trimethylsilyl enol ethers and .beta.-dicarbonyl compds. leads to a variety of .alpha.-amino acid derivs. Their conversion into the free amino acids can be conveniently carried out by the use of tert-butyl protection. In the case of N-acetyl compds., cleavage of the protecting group and optical resoln. can be achieved in one step by hog renal acylase.

IT **119768-64-8P 119768-65-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L4 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1988:204467 HCAPLUS
DOCUMENT NUMBER: 108:204467
TITLE: Synthesis of 3,4-iminocyclohexyl-glycine and its N-benzyloxycarbonyl derivative
AUTHOR(S): Dzieduszynska, Maria; Martelli, Sante; Borowski, Edward
CORPORATE SOURCE: Dep. Pharm. Technol. Biochem., Tech. Univ. Gdansk, Gdansk, Pol.
SOURCE: International Journal of Peptide & Protein Research (1988), 25(1), 99-104
CODEN: IJPPC3; ISSN: 0367-8377
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 108:204467
GI

$R^2NHCHCO_2Me$

$RNHCHCO_2H$

$R^1NHCHCO_2Me$

NH I II I R^3 IV

AB The title compds. I [R = H, PhCH2O2C (Z)] were prepd. from prepd. from cyclohexenylglycines II (R1 = Z, CF3CO) via an addn. reaction with ... isocyanate (III). Thus, III was added to II (R1 = Z) to give addn. products IV (R2 = Z, R3 = NCO) as a mixt. of the 2 possible 3- and 4-positional isomers. The latter were treated with MeOH to give the corresponding IV (R2 = Z, R3 = NHCO2Me) (as 2 isomers), which were cyclized in the presence of KOH to give I (R = Z). II (R1 = CF3CO) was converted to I (R = H) via IV (R2 = CF3CO, R3 = NHCO2Me). I (R = H) inhibited glucosamine synthetase.

IT **96356-76-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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DICTIONARY FILE UPDATES: 3 FEB 2003 HIGHEST RN 485316-86-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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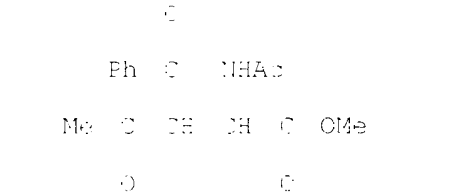
L3 ANSWER 1 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 3400[illegible]-66-6 REGISTRY
CN Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-,
methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H17 N O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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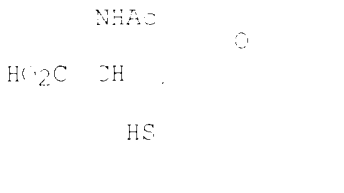
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 134:367161

L3 ANSWER 2 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 2-74[illegible]-90-6 REGISTRY
CN 2H-Pyran-4-acetic acid, .alpha.-(acetylamino)tetrahydro-4-mercapto- (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN N-Acetyl-2-amino-2-(4-mercaptotetrahydropyran-4-yl)acetic acid
FS 3D CONCORD
MF C9 H15 N O4 S
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS



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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 133:150471

L? ANSWER 3 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 187402-83-9 REGISTRY
CN 2H-Pyran-4-acetic acid, .alpha.-(acetylamino)tetrahydro-4-(nitrosothio)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN N-Acetyl-2-amino-2-[4-(S-nitrosomercapto)tetrahydropyran-4-yl]acetic acid
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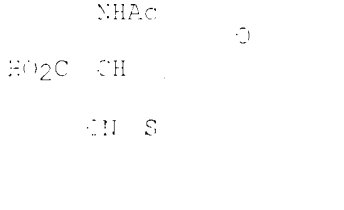
MF C9 H14 N2 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

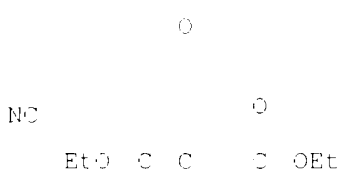


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 133:150471

L? ANSWER 4 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 143403-79-1 REGISTRY
CN Propanedioic acid, (acetylamino)(6-cyano-3,4-dihydro-2H-1-benzopyran-4-yl)-, diethyl ester (9CI) (CA INDEX NAME)
MF C19 H22 N2 O6
SR CA
LC STN Files: CA, CAPLUS



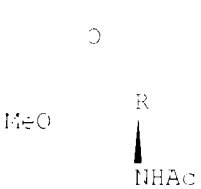
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 117:149409

L4 ANSWER 5 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 171508-33-1 REGISTRY
CN 2H-Pyran-4-acetic acid, .alpha.-(acetylamino)tetrahydro-, methyl ester, (R)- (9CI) (CA INDEX NAME)
PC STEREOSEARCH
MF C10 H17 N O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



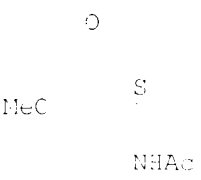
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:30287

L4 ANSWER 6 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 171508-32-0 REGISTRY
CN 2H-Pyran-4-acetic acid, .alpha.-(acetylamino)tetrahydro-, methyl ester, (S)- (9CI) (CA INDEX NAME)
PC STEREOSEARCH
MF C10 H17 N O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:30287

L3 ANSWER 7 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 171508-31-9 REGISTRY
CN 2H-Thiopyran-4-acetic acid, .alpha.-(acetylamino)tetrahydro-, methyl ester, (R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H17 N O3 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

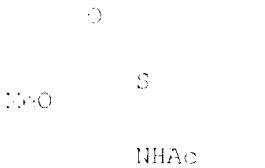
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:30287

L3 ANSWER 8 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 171508-30-8 REGISTRY
CN 2H-Thiopyran-4-acetic acid, .alpha.-(acetylamino)tetrahydro-, methyl ester, (S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H17 N O3 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



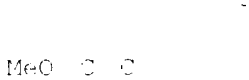
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:30287

L3 ANSWER 9 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 171508-17-1 REGISTRY
CN Acetic acid, (acetylamino)(tetrahydro-4H-pyran-4-ylidene)-, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C10 H15 N O4

SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 114:30287

L? ANSWER 10 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 171508-16-1 REGISTRY
CN Acetic acid, (acetylamino)(tetrahydro-4H-thiopyran-4-yl[illegible] -, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H19 N O3 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT

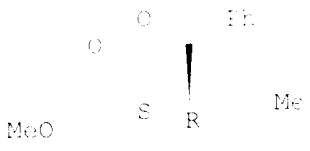
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 114:30287

L? ANSWER 11 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 113768-69-9 REGISTRY
CN Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-, methyl ester, (R*,S*)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-, methyl ester, (R*,S*)- (.+-.)-
FS STEREOSEARCH
MF C15 H17 N O5
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

Relative stereochemistry.



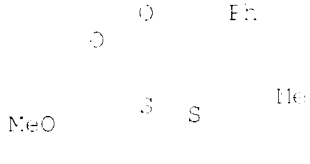
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 112:199036

L3 ANSWER 12 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 119768-64-3 REGISTRY
CN Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-, methyl ester, (R*,R*)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-, methyl ester, (R*,R*)-(+-)-
FS STEREOSEARCH
MF C15 H17 N O5
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 112:199036

L3 ANSWER 13 OF 13 REGISTRY COPYRIGHT 2003 ACS
RN 96356-76-2 REGISTRY
CN 7-Azabicyclo[4.1.0]heptane-3-acetic acid, 7-acetyl-.alpha.-(acetylamino)-, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H20 N2 O4
LC STN Files: CA, CAPLUS, CASREACT

AcNH O

CH C OMe

Ac N

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 102:[illegible]426[illegible]

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FILE 'BEILSTEIN' ENTERED AT 15:46:46 ON 04 FEB 2004
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FILE RELOADED ON OCTOBER 20, 2003
FILE LAST UPDATED ON JANUARY 31, 2003

FILE COVERS 1771 TO 2001.
*** FILE CONTAINS 8,441,474 SUBSTANCES ***

>>> For the revised summary sheet please see:
    http://info.cas.org/ONLINE/DBSS/beilsteinss.html <<<

>>> PLEASE NOTE: Reaction and substance documents are stored in
    different file segments. Use separate queries to search for
    reaction and substance data. When searching for bibliographic
    information you have the option to chose the file segment.
    (Use "/XXX.SUB" to search for a bibliographic term in
    substance documents. To restrict the search to reaction
    documents use "/XXX.RX".)
    For additional information see HELP RES. <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE. <<<

*************************************************************
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.       *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.               *
* FOR PRICE INFORMATION SEE HELP COST                       *
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